Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/11/2020 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124363	-1	3.27	124533	3.17
Blue	F	SSC	125000	123723	-2	1.85	124494	1.81
Blue	E	FITC	15892	15351	-4	2.80	336	20.54
Blue	D	PE	29999	29712	-1	1.95	650	14.59
Blue	B	PerCP-Cy5-5	43732	43466	-1	3.68	1167	20.33
Blue	A	PE-Cy7	30845	30916	0	6.11	589	41.37
Red	C	APC	46112	45360	-2	2.49	1602	12.20
Red	A	APC-Cy7	30458	29666	-3	2.38	785	11.89
Violet	B	V450	7918	7587	-5	4.57	427	13.63
Violet	A	V500	32171	30846	-5	4.24	720	10.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17189	17.10	623	2	N/A	N/A	Pass
Blue	F	SSC	56348	1.32	564	5	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0194	174	Pass
Blue	D	PE	135	49.42	550	2	0.1652	268	Pass
Blue	B	PerCP-Cy5-5	216	50.75	657	1	0.0092	95	Pass
Blue	A	PE-Cy7	109	102.79	700	2	0.0106	16	Pass
Red	C	APC	384	25.17	585	1	0.0240	130	Pass
Red	A	APC-Cy7	173	28.43	557	1	0.0056	903	Pass
Violet	B	V450	64	58.41	461	3	0.0405	1390	Pass
Violet	A	V500	107	35.04	477	3	0.0226	912	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.84	-31.99	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	17.20	13.60 - 20.40	N/A	N/A	29.26	29.99	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10041

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments